

ACTA MECHANICA

Vol. 98, 1993

Contents

Contributed Papers

- Başar, Y.:** Finite-rotation theories for composite laminates. 159—176
- Duka, E. D., England, A. H., Spencer, A. J. M.:** Bifurcation of a solid circular elastic cylinder under finite extension and torsion. 107—121
- Fotiu, P. A.:** Elastodynamics of thin plates with internal dissipative processes. Part II. Computational aspects. 187—212
- Guran, A.:** Chaotic motion of a Kelvin type gyrostat in a circular orbit. 51—61
- Hiremath, P. S., Patil, P. M.:** Free convection effects on the oscillatory flow of a couple stress fluid through a porous medium. 143—158
- Ioakimidis, N. I., Anastasselou, E. G.:** Application of the Green and the Rayleigh-Green reciprocal identities to path-independent integrals in two- and three-dimensional elasticity. 99—106
- Kundu, P. K.:** Transmission of an obliquely incident surface wave train through a submerged horizontal slot in a vertical wall. 177—186
- Nicholson, D. W.:** On a mixed-mode Dugdale model. 213—219
- Rajeswari, V., Kumari, M., Nath, G.:** Unsteady three-dimensional boundary layer flow due to a stretching surface. 123—141
- Rychter, Z.:** A family of shear deformation theories for shallow shells. 221—232
- Singh, G., Venkateswara Rao, G., Iyengar, N. G. R.:** Thermal post buckling behavior of rectangular antisymmetric cross-ply composite plates. 39—50
- Sinha, P., Chandra, P., Kumar, D.:** Ferrofluid lubrication of cylindrical rollers with cavitation. 27—38
- Theocaris, P. S., Panagiotopoulos, P. D.:** Crack-interfaces of fractal type with friction. 63—78
- Wojciech, S., Adamiec-Wójcik, I.:** Nonlinear vibrations of spatial viscoelastic beams. 15—25
- Xia, Z., Ellyin, F.:** A stress rate measure for finite elastic plastic deformations. 1—14
- Yang, S., Chao, Y. J., Sutton, M. A.:** Complete theoretical analysis for higher order asymptotic terms and the HRR zone at a crack tip for Mode I and Mode II loading of a hardening material. 79—98

Listed in **Current Contents, Mechanics**

Reviewed in **Applied Mechanics Reviews** and **Mathematical Reviews** and **Zentralblatt für Mathematik und ihre Grenzgebiete/Mathematics Abstracts**

Abstracted by **INSPEC, Metals Abstracts** and **Engineered Materials Abstracts**

Covered in the **MSCI**